

CLAIMS

SUBA27

1. A method of manufacturing a contactless smart card including an integrated-circuit chip (3) and an antenna (2), in which metallised protrusions (5) are produced on two contact pads (4) on the chip (3), characterised in that the connection of the chip (3) to the antenna (2) is effected by embedding the metallised protrusions (5) in the thickness of the antenna (2), at the time that the chip (3) is attached to the said antenna (2).

2. A method according to Claim 1, characterised in that the antenna (2) is produced from a material able to have a viscous state at the time that the chip (3) is attached, to allow the embedding of the metallised protrusions (5).

3. A method according to one of Claims 1 to 2, characterised in that the antenna (2) is produced on an insulating substrate (1) to the format of the smart card.

4. A method according to one of Claims 1 to 3, characterised in that the antenna (2) is produced from a thermoplastic material loaded with metallic particles and in that the chip (3) is attached to the antenna by thermocompression.

5. A method according to one of Claims 1 to 3, characterised in that the antenna (2) is produced from a non-polymerised conductive material and then the chip (3) is attached to the antenna (2) by compression, and

in that an addition of heat polymerises the antenna material.

5 6. A method according to one of Claims 1 to 3, characterised in that the antenna is produced from a moist conductive polymer material, and in that the chip (3) is attached to the antenna (2) by compression.

10 7. A method according to one of Claims 1 to 3, characterised in that the antenna (2) is produced from a thermoplastic material loaded with metallic particles and the chip (3) is previously glued to an insulating sheet (7) to the format of the smart card, and in that the connection of the chip (3) to the antenna (2) is effected by hot lamination.

15 8. A method according to one of Claims 1 to 7, characterised in that the metallised protrusions (5) have a substantially conical shape.

Ans
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